Claims

- Claim 1. A parachute, comprising:
- a circularly shaped canopy having a skirt band; and
- a plurality of main suspension lines connected to the skirt band;
- wherein each main suspension line includes a lower main
- suspension line segment that branches into at least two upper main
- suspension line segments.
- Claim 2. A parachute as recited in claim 1, wherein the parachute
- includes ten main suspension lines having ten lower main suspension line
- segments and twenty upper main suspension line segments.
- Claim 3. A parachute as recited in claim 2, wherein with the canopy
- descending vertically and fully inflated, the ten main suspension lines
- converge downwardly from the skirt band toward a suspension line
- 4 junction.

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- Claim 4. A parachute as recited in claim 1, further comprising:
- a vent band on the circularly shaped canopy; and
- a plurality of vent suspension lines connected to the vent band;
- wherein each vent suspension line includes a lower vent
- suspension line segment that branches into at least two upper vent
- suspension line segments.
- Claim 5. A parachute as recited in claim 4, wherein the parachute
- includes ten vent suspension lines having ten lower vent suspension line
- segments and twenty upper vent suspension line segments.
- Claim 6. A parachute as recited in claim 5, wherein with the canopy
- descending vertically and fully inflated, the ten vent suspension lines
- converge downwardly from the vent band toward a vent centerline.
- Claim 7. A parachute as recited in claim 1, further comprising means for
- slowing the opening of the canopy, including a generally planar reefing
- device defining a plurality of openings through which the main suspension
- 4 lines extend.

Claim 8. A parachute, comprising:

a circularly shaped canopy having a skirt band and a vent band; a plurality of ten main suspension lines connected to the skirt band, each main suspension line including a lower main suspension line segment that branches into at least two upper main suspension line segments, said ten main suspension lines extending from the skirt band to a suspension line junction; and

a plurality of vent suspension lines connected to the vent band, each vent suspension line including a lower vent suspension line segment that branches into at least two upper vent suspension line segments, said ten vent suspension lines extending from the vent band to a vent centerline that extends to the suspension line junction.

- Claim 9. A parachute as recited in claim 8, further comprising means for
- slowing the opening of the canopy, including a generally planar reefing
- device defining a plurality of openings through which the main suspension
- 4 lines extend.

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- Claim 10. A reefing device for slowing the opening of the canopy of a
- parachute having a plurality of main suspension lines, the reefing device
- 3 comprising:
- five strip segments that are arranged in a five-point star
- configuration having five strip segment junctions uniformly spaced apart;
- 6 and
- five eyelets, each of the eyelets extending through a respective one
- of the five strip segment junctions to form five suspension-line-receiving
- openings.
- Claim 11. A reefing device as recited in claim 10, wherein the strip
- segments are portions of a nylon strap that is folded into the five strip
- 3 segments.
- Claim 12. A reefing device as recited in claim 10, wherein the five strip
- segments are of uniform length.

Claim 13. A parachute, comprising:

- a circularly shaped canopy having a skirt band; and
- a plurality of main suspension lines connected to the skirt band;
- wherein each main suspension line includes a lower main suspension line segment that branches into at least two upper main
- suspension line segments; and

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wherein the lower suspension line segment is at least partially composed of a first material and the two upper main suspension line segments are at least partially composed of a second material that is dissimilar to the first material.

Claim 14. A parachute as recited in claim 13, further comprising:

- a vent band on the circularly shaped canopy; and
- a plurality of vent suspension lines connected to the vent band;
 - wherein each vent suspension line includes a lower vent suspension line segment that branches into at least two upper vent
- suspension line segments; and
 - wherein the lower vent suspension line segment is at least partially composed of a first material and the two upper vent suspension line segments are at least partially composed of a second material that is dissimilar to the first material.